

re-run



IFWO

RAW SEQUENCE LISTING

DATE: 10/15/2004

PATENT APPLICATION: US/10/728,246

TIME: 11:10:51

Input Set : N:\AMC\US10728246.raw

Output Set: N:\CRF4\10152004\J728246.raw

1 <110> APPLICANT: ORSER, Cindy
 2 GROSSET, Anne
 3 DAVIDSON, Eugene A.
 4 <120> TITLE OF INVENTION: DETECTION OF CONFORMATIONALLY ALTERED PROTEINS AND PRIONS
 5 <130> FILE REFERENCE: A28-011
 6 <140> CURRENT APPLICATION NUMBER: US/10/728,246
 7 <141> CURRENT FILING DATE: 2003-12-04
 8 <150> PRIOR APPLICATION NUMBER: 10/161,061
 9 <151> PRIOR FILING DATE: 2002-05-30
 10 <150> PRIOR APPLICATION NUMBER: 60/295,456
 11 <151> PRIOR FILING DATE: 2001-05-31
 12 <160> NUMBER OF SEQ ID NOS: 29
 14 <210> SEQ ID NO: 1
 15 <211> LENGTH: 33
 16 <212> TYPE: PRT
 17 <213> ORGANISM: Homo sapiens
 18 <220> FEATURE:
 19 <400> SEQUENCE: 1
 20 Val Val Ala Gly Ala Ala Ala Ala Gly Ala Met His Lys Met Asn
 21 1 5 10 15
 22 Thr Lys Pro Lys Met Lys His Met Ala Gly Ala Ala Ala Ala Gly
 23 20 25 30
 24 Ala Val Val
 26 <210> SEQ ID NO: 2
 27 <211> LENGTH: 19
 28 <212> TYPE: PRT
 29 <213> ORGANISM: Artificial Sequence
 30 <220> FEATURE:
 31 <223> OTHER INFORMATION: Synthetic Peptide
 32 <400> SEQUENCE: 2
 33 Lys Pro Lys Thr Asn Leu Lys His Val Ala Gly Ala Ala Ala Ala
 34 1 5 10 15
 35 Gly Ala Val Val
 37 <210> SEQ ID NO: 3
 38 <211> LENGTH: 14
 39 <212> TYPE: PRT
 40 <213> ORGANISM: Artificial Sequence
 41 <220> FEATURE:
 42 <223> OTHER INFORMATION: Synthetic Peptide
 43 <400> SEQUENCE: 3
 44 Leu Lys His Val Ala Gly Ala Ala Ala Ala Gly Ala Val Val
 45 1 5 10
 47 <210> SEQ ID NO: 4

ENTERED

p.6

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48 <211> LENGTH: 40
49 <212> TYPE: PRT
50 <213> ORGANISM: Artificial Sequence
51 <220> FEATURE:
52 <223> OTHER INFORMATION: Synthetic Peptide
53 <400> SEQUENCE: 4
54   Asp Ala Glu Phe Arg His Asp Ser Gly Tyr Glu Val His His Gln
55       1           5           10           15
56   Lys Leu Val Phe Phe Ala Glu Asp Val Gly Ser Asn Lys Gly Ala
57           20           25           30
58   Ile Ile Gly Leu Met Val Gly Gly Val Val
59           35           40
61 <210> SEQ ID NO: 5
62 <211> LENGTH: 24
63 <212> TYPE: PRT
64 <213> ORGANISM: Artificial Sequence
65 <220> FEATURE:
66 <223> OTHER INFORMATION: Synthetic Peptide
67 <400> SEQUENCE: 5
68   Glu Val His His Gln Lys Leu Val Phe Phe Ala Glu Asp Val Gly
69       1           5           10           15
70   Ser Asn Lys Gly Ala Ile Ile Gly Leu
71           20
73 <210> SEQ ID NO: 6
74 <211> LENGTH: 24
75 <212> TYPE: PRT
76 <213> ORGANISM: Artificial Sequence
77 <220> FEATURE:
78 <223> OTHER INFORMATION: Synthetic Peptide
79 <400> SEQUENCE: 6
80   Glu Val Arg His Gln Lys Leu Val Phe Phe Ala Glu Asp Val Gly
81       1           5           10           15
82   Ser Asn Lys Gly Ala Ile Ile Gly Leu
83           20
85 <210> SEQ ID NO: 7
86 <211> LENGTH: 11
87 <212> TYPE: PRT
88 <213> ORGANISM: Artificial Sequence
89 <220> FEATURE:
90 <223> OTHER INFORMATION: Synthetic Peptide
91 <400> SEQUENCE: 7
92   Gly Ser Asn Lys Gly Ala Ile Ile Gly Leu Met
93       1           5           10
95 <210> SEQ ID NO: 8
96 <211> LENGTH: 28
97 <212> TYPE: PRT
98 <213> ORGANISM: Artificial Sequence
99 <220> FEATURE:
100 <223> OTHER INFORMATION: Synthetic Peptide

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101 <400> SEQUENCE: 8
102     Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
103         1             5             10             15
104     Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
105             20             25
107 <210> SEQ ID NO: 9
108 <211> LENGTH: 23
109 <212> TYPE: PRT
110 <213> ORGANISM: Artificial Sequence
111 <220> FEATURE:
112 <223> OTHER INFORMATION: Synthetic Peptide
113 <400> SEQUENCE: 9
114     Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln
115         1             5             10             15
116     Gln Gln Gln Gln Gln Gln Gln Gln
117             20
119 <210> SEQ ID NO: 10
120 <211> LENGTH: 19
121 <212> TYPE: PRT
122 <213> ORGANISM: Artificial Sequence
123 <220> FEATURE:
124 <223> OTHER INFORMATION: Synthetic Peptide
125 <400> SEQUENCE: 10
126     Lys Pro Lys Thr Asn Leu Lys His Val Ala Gly Ala Ala Ala Ala
127         1             5             10             15
128     Gly Ala Val Val
130 <210> SEQ ID NO: 11
131 <211> LENGTH: 38
132 <212> TYPE: PRT
133 <213> ORGANISM: Artificial Sequence
134 <220> FEATURE:
135 <223> OTHER INFORMATION: Synthetic Peptide
136 <400> SEQUENCE: 11
137     Met Gly Ile Leu Lys Leu Gln Val Phe Leu Ile Val Leu Ser Val
138         1             5             10             15
139     Ala Leu Asn His Leu Lys Ala Thr Pro Ile Glu Ser His Gln Val
140             20             25             30
141     Glu Lys Arg Lys Lys Cys Asn Thr Ala
142             35
144 <210> SEQ ID NO: 12
145 <211> LENGTH: 25
146 <212> TYPE: PRT
147 <213> ORGANISM: Artificial Sequence
148 <220> FEATURE:
149 <223> OTHER INFORMATION: Synthetic Peptide
150 <400> SEQUENCE: 12
151     Met Ala Glu Ser His Leu Leu Gln Trp Leu Leu Leu Leu Leu Pro
152         1             5             10             15
153     Thr Leu Cys Gly Pro Gly Thr Ala Ala Trp

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154                                     20                                     25
156 <210> SEQ ID NO: 13
157 <211> LENGTH: 253
158 <212> TYPE: PRT
159 <213> ORGANISM: Artificial Sequence
160 <220> FEATURE:
161 <223> OTHER INFORMATION: Synthetic Peptide
162 <400> SEQUENCE: 13
163   Met Ala Asn Leu Gly Cys Trp Met Leu Val Leu Phe Val Ala Thr
164       1                               5                               10                               15
165   Trp Ser Asp Leu Gly Leu Cys Lys Lys Arg Pro Lys Pro Gly Gly
166       20                               25                               30
167   Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro Gly
168       35                               40                               45
169   Gly Asn Arg Tyr Pro Pro Gly Gly Gly Gly Gly Trp Gly Gln Pro
170       50                               55                               60
171   His Gly Gly Gly Trp Gly Gln Pro His Gly Gly Gly Trp Gly Gln
172       65                               70                               75
173   Pro His Gly Gly Gly Trp Gly Gln Pro His Gly Gly Gly Trp Gly
174       80                               85                               90
175   Gly Gly Gly Gly Thr His Ser Gln Trp Asn Lys Pro Ser Lys Pro
176       95                               100                              105
177   Lys Thr Asn Met Lys His Met Ala Gly Ala Ala Ala Ala Gly Ala
178      110                              115                              120
179   Val Val Gly Gly Leu Gly Gly Tyr Met Leu Gly Ser Ala Met Ser
180      125                              130                              135
181   Arg Pro Ile Ile His Phe Gly Ser Asp Tyr Glu Asp Arg Tyr Tyr
182      140                              145                              150
183   Arg Glu Asn Met His Arg Tyr Pro Asn Gln Val Tyr Tyr Arg Pro
184      155                              160                              165
185   Met Asp Glu Tyr Ser Asn Gln Asn Asn Phe Val His Asp Cys Val
186      170                              175                              180
187   Asn Ile Thr Ile Lys Gln His Thr Val Thr Thr Thr Thr Lys Gly
188      185                              190                              195
189   Glu Asn Phe Thr Glu Thr Asp Val Lys Met Met Glu Arg Val Val
190      200                              205                              210
191   Glu Gln Met Cys Ile Thr Gln Tyr Glu Arg Glu Ser Gln Ala Tyr
192      215                              220                              225
193   Tyr Gln Arg Gly Ser Ser Met Val Leu Phe Ser Ser Pro Pro Val
194      230                              235                              240
195   Ile Leu Leu Ile Ser Phe Leu Ile Phe Leu Ile Val Gly
196      245                              250
198 <210> SEQ ID NO: 14
199 <211> LENGTH: 254
200 <212> TYPE: PRT
201 <213> ORGANISM: murine
202 <220> FEATURE:
203 <400> SEQUENCE: 14
204   Met Ala Asn Leu Gly Tyr Trp Leu Leu Ala Leu Phe Val Thr Met

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205	1	5	10	15
206	Trp Thr Asp Val Gly Leu Cys Lys Lys Arg Pro Lys Pro Gly Gly			
207		20	25	30
208	Trp Asn Thr Gly Gly Ser Arg Tyr Pro Gly Gln Gly Ser Pro Gly			
209		35	40	45
210	Gly Asn Arg Tyr Pro Pro Gln Gly Gly Thr Trp Gly Gln Pro His			
211		50	55	60
212	Gly Gly Gly Trp Gly Gln Pro His Gly Gly Ser Trp Gly Gln Pro			
213		65	70	75
214	His Gly Gly Ser Trp Gly Gln Pro His Gly Gly Gly Trp Gly Gln			
215		80	85	90
216	Gly Gly Gly Thr His Asn Gln Trp Asn Lys Pro Ser Lys Pro Lys			
217		95	100	105
218	Thr Asn Leu Lys His Val Ala Gly Ala Ala Ala Ala Gly Ala Val			
219		110	115	120
220	Val Gly Gly Leu Gly Gly Tyr Met Leu Gly Ser Ala Met Ser Arg			
221		125	130	135
222	Pro Met Ile His Phe Gly Asn Asp Trp Glu Asp Arg Tyr Tyr Arg			
223		140	145	150
224	Glu Asn Met Tyr Arg Tyr Pro Asn Gln Val Tyr Tyr Arg Pro Val			
225		155	160	165
226	Asp Gln Tyr Ser Asn Gln Asn Asn Phe Val His Asp Cys Val Asn			
227		170	175	180
228	Ile Thr Ile Lys Gln His Thr Val Thr Thr Thr Thr Lys Gly Glu			
229		185	190	195
230	Asn Phe Thr Glu Thr Asp Val Lys Met Met Glu Arg Val Val Glu			
231		200	205	210
232	Gln Met Cys Val Thr Gln Tyr Gln Lys Glu Ser Gln Ala Tyr Tyr			
233		215	220	225
234	Asp Gly Arg Arg Ser Ser Ser Thr Val Leu Phe Ser Ser Pro Pro			
235		230	235	240
236	Val Ile Leu Leu Ile Ser Phe Leu Ile Phe Leu Ile Val Gly			
237		245	250	

239 <210> SEQ ID NO: 15
 240 <211> LENGTH: 782
 241 <212> TYPE: PRT
 242 <213> ORGANISM: Artificial Sequence
 243 <220> FEATURE:
 244 <223> OTHER INFORMATION: Synthetic Peptide
 245 <400> SEQUENCE: 15

246	Met Ala Pro His Arg Pro Ala Pro Ala Leu Leu Cys Ala Leu Ser
247	1 5 10 15
248	Leu Ala Leu Cys Ala Leu Ser Leu Pro Val Arg Ala Ala Thr Ala
249	20 25 30
250	Ser Arg Gly Ala Ser Gln Ala Gly Ala Pro Gln Gly Arg Val Pro
251	35 40 45
252	Glu Ala Arg Pro Asn Ser Met Val Val Glu His Pro Glu Phe Leu
253	50 55 60
254	Lys Ala Gly Lys Glu Pro Gly Leu Gln Ile Trp Arg Val Glu Lys

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/728,246

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Input Set : N:\AMC\US10728246.raw
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:28; Xaa Pos. 8,25

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 4

VERIFICATION SUMMARY

PATENT APPLICATION: **US/10/728,246**

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Input Set : **N:\AMC\US10728246.raw**

Output Set: **N:\CRF4\10152004\J728246.raw**

L:576 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0
M:341 Repeated in SeqNo=28